DAILY ACTIVITY REPORT

Date: 01/20/2017

Page 1

Rep	ort #	DATE	<u>Jan 20, 2</u>	<u> 2017</u>		s M	I T W	TH <u>F</u>	S
Fie	ld Investigation	n Manager: <u>T</u>	im Thomps	<u>on</u>					
WE	ATHER	Bright Sun	Clear to Par	tly Cloudy	C	vercast	Rain		
TEI	MPERATURE °F	- <32°	32-45 °	45-60° 60-	-70° 7	0-85°			
WII		Still Mod		ligh					
				_					
HU	MIDITY	Dry <u>Mo</u>	<u>d.</u> ⊢	umid					
DA	YTIME TIDES	01/20 Fri (Time Hgt 04:15 AM 5.53 L 10:46 AM11.28 H 06:01 PM 2.67 L						
TASK:	☐ Industrial Area	Soils 🔲 I	ndustrial Area	Groundwate	r 🗖 S	urface Wat	er 🗹	Sediment	t I MIS
Fitterer	NTRACTORS/VIS (HDR), Ellen Brown	n (USACE), Dale	Dickinson (M	SS), Bill Jaw	orski (M		S); Kim Ha	awkins (H	IDR); Hailey
	MENT ON SITE: MS				n				
1. 2.	PERFORMED (INC Collected cores at processing on 1/25 Field Core Collection Transferred cores of	FSP-designated 5/2017. Core co on logs also atta	stations. Cor lection data pr ched to this re	es collected, rovided in Ta eport		onboard, a	and transp	oorted to	ARI for
QUALIT	TY CONTROL ACT								
•	Navigation checks	done at NAID C	hannel Marke	r prior to initia	ating san	npling.			
HEALT •	H AND SAFETY LE H&S briefing held of Site safety meeting	on-board Nancy	Anne				Tail	gate Mee	eting Held E
PROBL	EMS ENCOUNTER			TAKEN:					
•	All coring locations the core tube – esp recovery, but on su Attempted to move	oecially in Quadr	ant J8 (Figure	1). Rejected	d the first	t sample co	ollected a	t J8-c5 fo	r poor

SPECIAL NOTES:

• None

TOMORROW'S EXPECTATIONS:

No work till Monday

ATTACHMENTS:

- Figure 1. Glacial till from rejected core at J8-c5
- Table 1 EHOU Core Collection Data
- Field Coring Logs
- Chain-of-Custody form
- Site Safety Meeting form

PREPARED BY: Tim Thompson **SIGNATURE:** Filed electronically.

Figure 1. Glacial till from rejected core at J8-c5



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Table: EH	OU Core Co	ollection Data												
Grid Cell Station	Attempt	Collection Date	Collection Time	FSP Target Samp	pling Locations	Actual Sampling Locations		Measured Water Depth	Tidal Height at Time of Collection	Collection	Penetration (ft)			Comment
Station				Latitude	Longitude	Latitude	Longitude	(ft)	(ft MLLW)	Depth (ft MLLW)	(11)	(ft)	Recovery	
				(NAD 83 N)	(NAD 83 W)	(NAD 83 N)	(NAD 83 W)		, -	,				
J8-c5	c1	1/20/2017	9:14:34	47°37.11550	122°30.20283	47°37.11574	122°30.20129	25.8	12.2	-13.6	4.65	2.0	43.0%	Rejected
J8-c5	c2	1/20/2017	9:40:29	47°37.11550	122°30.20283	47°37.11528	122°30.20146	26.5	12.6	-13.9	5	1.7	34.0%	
k8-c5	c1	1/20/2017	10:17:54	47°37.11633	122°30.14167	47°37.11668	122°30.14176	16.8	12.9	-3.9	7	4.7	67.1%	
L8-c5	c1	1/20/2017	10:52:28	47°37.11683	122°30.08100	47°37.11640	122°30.08187	15.1	12.9	-2.2	7	4.5	64.3%	
K7-c5	c1	1/20/2017	11:10:45	47°37.15717	122°30.14300	47°37.15716	122°30.14245	22.8	12.8	-10.0	7	4.6	65.7%	
J7-c5	c1	1/20/2017	11:37:10	47°37.15633	122°30.20383	47°37.15569	122°30.20065	16.3	12.5	-3.8	7	3.6	51.4%	
J8-c3	c1	1/20/2017	12:14:09			47°37.13253	122°30.19381	17.1	11.9	-5.2	4.7	2.2	46.8%	Attempted a second location in Quadrant J8

Sediment Core Drive Log

Job: EHO()	Core Location:	8-C5
Job No:	Date: 1/20/2017	Time: 09:14
Field Reps: Tomsu/Brows	Attempt #:	Accept/Reject
Contractor:	Sample Method: \\)	acore
Proposed Coordinates N: 47 \$5 693 E: 122 30 12.HZ	Actual Coordinates N: 47 3606.74464	E: 122 30 12.0775840
Mudline:	Mudline: 25 81	T1
Core Drive: 2	Core Drive: 4.65	Core Recovery:
	Tide Measurements (Dat	um:)
DTS Boat: DTS Lead Line: 25.8	Time/Height:	
Mudline Elevation:		> ()
Description:	Measurement (to neare	st 0.1 foot):
(free fall, fingers inverted, vibration needed to drive/extract, estimation of density, debris encountered, slopes, refusal, mudline conditions, drive action, etc.)		Avg. % Recovery: Avg. % Compaction: Description at Cuts: A = n 6" of Soft Material over B = fil: rack tyrue
Total Drive: Length Recovered: Notes: I factill, withingal prejectation		D =

J8-C5 Cec Z Sediment Core Drive Log

Job: EHOU	Core Location: J8-c5 CNE
Job No:	Date: 1/26/2016 Time: 9:40
Field Reps: The Trong	Attempt #: 2 Accept/Reject See votas
Contractor: HDR/SEE	Sample Method: \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Proposed Coordinates	Actual Coordinates
N: 47 35 6,13 E: 122 30 12.17	N:47 37 06.91686 E: 122 30 12.08778
Mudline:	Mudline: 26.5
Core Drive:	Core Drive: 51 Core Recovery: 3490
	Tide Measurements (Datum: Muu)
	Time/Height: 9:48 /12.639 Southe ticles
DTS Boat: DTS Lead Line: 26,5	
- 12.64	Time/Height: 26.5 bominol
Mudline Elevation: 13.96-	F1 MULW + 13.9 G F1 MILW
	9
<u>Description:</u> (free fall, fingers inverted, vibration needed to drive/extraction	Measurement (to nearest 0.1 foot):
estimation of density, debris encountered, slopes, refusa mudline conditions, drive action, etc.)	
	Avg. % Compaction:
Core Tube Leng	<u>Description</u> <u>Section:</u> <u>Length:</u> <u>at Cuts:</u>
beL	A =
engt	
P.	В =
	C =
	D =
Total Drive: Length Recovered:	
Notes: Core cotcher with hard,	poorly serted clayey said up greet.
Rock 7 Schm	0

ゴ⊗- C3 Sediment Core Drive Log

EHOU 2016 Job: Core Location: Job No: Date: Time: Field Reps: Attempt #: Accept/Reject Contractor: HDP Sample Method: **Proposed Coordinates Actual Coordinates** N: 47 37 07,95175 E: 122 N: 100ft due ly 18-05 Mudline: Mudline: 17, 1 Core Recovery: Core Drive: Core Drive: 4 Tide Measurements (Datum: M 11.996 Time/Height: 12:18 11.901 12:24 DTS Lead Line: 17,1 DTS Boat: 11.9 Time/Height: Banbridge is Seattle + 51 Mudline Elevation: 502 MLW **Description:** Measurement (to nearest 0.1 foot): (free fall, fingers inverted, vibration needed to drive/extract, estimation of density, debris encountered, slopes, refusal, Avg. % Recovery: mudline conditions, drive action, etc.) Avg. % Compaction: Description Core Tube Length at Cuts: Section: Length: Total Drive: Length Recovered: Notes:

f:/fieldforms/sedimentcoredrivelog

L8-CS CI

Sediment Core Drive Log

Job: EHOU	Core Location: U8-C5
Job No:	Date: 1/20/2017 Time: 10:52
Field Reps: Thamba	Attempt #: Accept/Reject
Contractor: HDR/SEE/M55	Sample Method: Vibracare
Proposed Coordinates	Actual Coordinates
N:47 37 7.01 E: 122 30 4.86	N:47 37 06,9839 N E: 122 30 04,91208 W
Mudline:	Mudline: \S.\
Core Drive:	Core Drive: 7 Core Recovery: 4.8 64.29
DTS Boat: DTS Lead Line: 15.11 12.9 Mudline Elevation: 2.2	Time/Height: 10:54 12.92 South
(free fall, fingers inverted, vibration needed to drive/extrestimation of density, debris encountered, slopes, refusemudline conditions, drive action, etc.)	Avg. % Recovery: 64.2% Avg. % Compaction:
Lengui Necovered.	
Notes:	

Sediment Core Drive Log

Job: EHOU	Core Location: (8 - C5
Job No:	Date: 120/2017 Time: 10:17
Field Reps: Tim Tromper	Attempt #: Accept/Reject
Contractor: HDR/5=2/MSS	Sample Method: Uibracove
Proposed Coordinates	Actual Coordinates
N: 4737 6,98 E: 122 30 8.50	N:47 37 07-00104 E: 122 30 08,50542
Mudline:	Mudline: 16.8
Core Drive:	Core Drive: 7 Core Recovery: Ce 790
	Tide Measurements (Datum: MUW)
DTS Lead Line: 16,3 - 12.9 Mudline Elevation: - 2.9	Time/Height: 10:18 + 12.87 > Bailbridge = Time/Height: 10:24 + 12.9 Southle + 5:
(free fall, fingers inverted, vibration needed to drive/extract, estimation of density, debris encountered, slopes, refusal, mudline conditions, drive action, etc.) Core Tube Length:	

K7-C5 # \
Sediment Core Drive Log

Job: EHOU 2016	Core Location: \C7-C5
Job No:	Date: 10/207 Time: H-10 1017 11:00
Field Reps: ThomPSU	Attempt #: Accept/Reject
Contractor: HDR/SER/MSS	Sample Method: Who care
Proposed Coordinates	Actual Coordinates
N:47 37 9.43 E: 122 30 8 58	N:47 37 09.42948 E: 122 30 08.54700
Mudline:	Mudline: 22.8 (Nanical)
Core Drive:	Core Drive: 7 Core Recovery: 4.61 65.79
Mudline Elevation:	Time/Height: Orrect A.O' Milw tive Measurement (to nearest 0.1 foot):
Length Recovered:	
Notes:	

∫ 7-05 Sediment Core Drive Log

Job: EHOU 2016 Core Location: Job No: Time: Date: Field Reps: Accept/Reject Attempt #: Contractor: HRD Sample Method: Proposed Coordinates **Actual Coordinates** E: 122 30 12.03900 N: 47 37 9,58 E: 122 30 12.23 N: 47 85 09.34146 Mudline: 16.3 Mudline: Core Recovery: 3.6 Core Drive: 6-7 Core Drive: Tide Measurements (Datum: MUU) 11:30 12:574 > Brinking = 11:42 12:528 (Southle +51 Time/Height: DTS Lead Line: DTS Boat: Time/Height: Mudline Elevation: " 3, 8' MUW This depth measurement likely inaccurate. J7-C5 bood on body should Measurement (to nearest 0.1 foot): be 2-20 MLW. (free fall, fingers inverted, vibration needed to drive/extract, estimation of density, debris encountered, slopes, refusal, 5690 Avg. % Recovery: mudline conditions, drive action, etc.) Avg. % Compaction: Description Core Tube Length at Cuts: Section: Length: Length Recovered: Total Drive:

Notes:

Chain of Custody Record & Laboratory Analysis Request

ARI Assigned Number:	Turn-around Requested:				Page:	1	of	1	Analytical Chemi			cal Resources, Incorporated cal Chemists and Consultant
ARI Client Company:	Phone: 206 418 6173				Date: V20/2017 Ice Present?					4611 South 134th Place, Suite 10 Tukwila, WA 98168 206-695-6200 206-695-6201 (fa		
Client Contact: Thomp Sov					No. of Coolers:	No. of Cooler Coolers: Temps: 200-693-6201 (F						rilabs.com
Client Project Name:	2016	Moni	tania					Analysis I	Requested			Notes/Comments
Client Project #:	Samplers:	EE/MS	55		35							
Sample ID	Date	Time	Matrix	No. Containers	Ag 5							
J8-C5	4/20/17	0940	Sed		X				700			
K8-05		1017		1	X				1			
18-05		1057			X							
K7-c5		1110		1	X							
J77-05		1137		1	X							
J8-03	4	1214	V	- 1	X							
			41									
												4
	-/	A										
Comments/Special Instructions 44 C	Relinquished by: (Signature)	Gons	=	Received by: (Signature)	Dilux	of a		Relinquished (Signature)	i by:		Received by: (Signature)	
until processist on	Printed Name:	nomptor		Printed Names	REIRO	00		Printed Name:			Printed Name:	
01/25/17	Company:			Company:				Company:	1	Company:		
	Date & Time:	7 19	520	Date & Time:	0/4	1520		Date & Time			Date & Time:	

Limits of Liability: ARI will perform all requested services in accordance with appropriate methodology following ARI Standard Operating Procedures and the ARI Quality Assurance Program. This program meets standards for the industry. The total liability of ARI, its officers, agents, employees, or successors, arising out of or in connection with the requested services, shall not exceed the Invoiced amount for said services. The acceptance by the client of a proposal for services by ARI release ARI from any liability in excess thereof, not withstanding any provision to the contrary in any contract, purchase order or cosigned agreement between ARI and the Client.

Sample Retention Policy: All samples submitted to ARI will be appropriately discarded no sooner than 90 days after receipt or 60 days after submission of hardcopy data, whichever is longer, unless alternate retention schedules have been established by work-order or contract.

Site Safety Meeting Form

Project Name: Each Horler Date: 1/2017 Project Number:	Location: Scinbridge Island Many
	- HONDEN TONE
Safety To	opics Presented
JHA/STAR: Soie-tra-full. I Overhead hazards to helmet rec Exclusion zone, de on zone, Lifting techniques Monoverbond pro Lessons Learned: None	Plea Zore
BEST O&F: Nove of ferred	
General Safety Topics: PPE, espe	cially had hat ad PFDs careed.

Name	Attendee's Signature
Tim Thompson SEE	(ind homber
Dale Dickinson BEE MSS	D. Coto Shi
Ellen Brown USACE	Mess
David Browning BES	Dur Drow
Hailes Filterar HDR	Lunler Aller
Kin Howkins ADR	Elle Mile
Susanell Educals Ecolor	
3 (3)	

Site Safety Plan Acknowledgment Form

This project requires the following: that you read and comply with this Health and Safety Plan; that you be supplied with proper personal protective equipment (PPE), [including respirators]; and that you be trained on the use of the provided PPE. Personnel who are not respirator trained, medical evaluated, and provided a respirator will evacuate the work area if conditions require an upgrade to EPA/OSHA Level C PPE which includes respiratory protection. When respirator use is not required, voluntary respirator use is permissible, if such respirator use will not in itself create a hazard, under this SSHP. By signing this acknowledgment form, you are acknowledging that HDR has met these obligations to you.

I Have Reviewed, Understand and Agree to Follow the HDR Site Safety and Health Plan for the Eagle Harbor East Operable Unit Year 22 Monitoring Program.

Name (Print)	Signature	Affiliation	Date
Tem Thompson	Colladosa	SEE	120/207
Deve Brewy	build	SE	1/20/2014
Vale Dickirson	111	. /\	· tanti
Kim Hawkins	flyger	MOJC	1/20/17
Hailoy Fitterer	Saley setteten	HDC	1/20/17
0	7 /		

Health and Safety Forms A-1